

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (Currently amended) An isolated nucleic acid encoding a tumor suppressor polypeptide p33ING2 that ~~specifically hybridizes under stringent conditions, wherein the hybridization reaction is incubated at 42°C in a solution comprising 50% formamide, 5x SSC, and 1% SDS and washed at 65°C in a solution comprising 0.2x SSC and 0.1% SDS, has at least 90% identity~~ to a nucleic acid comprising a nucleotide sequence of SEQ ID NO:2, and wherein the p33ING2 polypeptide is a functional tumor suppressor.

2. (Cancelled)

3. (Original) The isolated nucleic acid of claim 1, wherein the nucleic acid encodes a polypeptide comprising an amino acid sequence of SEQ ID NO:1.

4. (Original) The isolated nucleic acid sequence of claim 1, wherein the nucleic acid comprises a nucleotide sequence of SEQ ID NO:2.

5. (Original) The isolated nucleic acid of claim 1, wherein the nucleic acid is from a human.

6. (Cancelled)

7. (Original) The isolated nucleic acid of claim 1, wherein the nucleic acid encodes a polypeptide having a molecular weight of about 28 kDa to about 38 kDa.

8-19. (Cancelled)

20. (Original) An expression vector comprising the nucleic acid of claim 1.

21. (Original) A host cell transfected with the vector of claim 20.

22-57. (Cancelled)

58. (New) The isolated nucleic acid of claim 1, wherein the nucleic acid has at least 95% identity to a nucleic acid comprising a nucleotide sequence of SEQ ID NO:2.